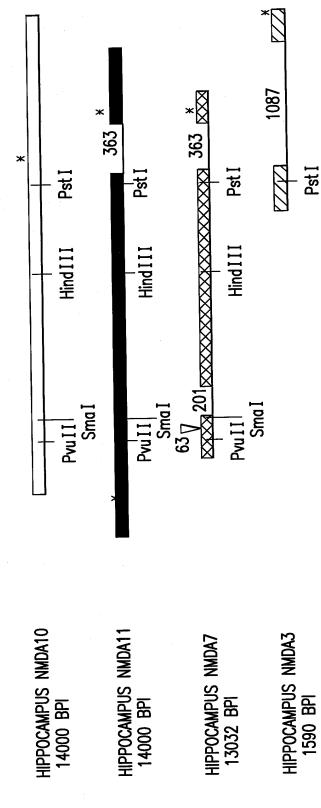
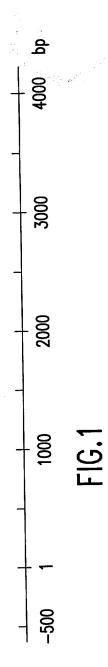
HUMAN NMDAR1 cDNAs





HUMAN NMDAR1A CONSTRUCTS

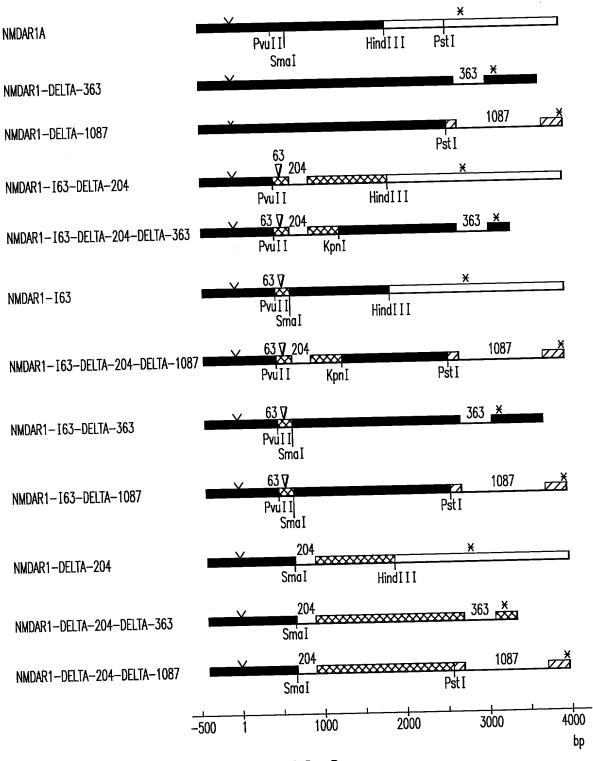


FIG.2

NUCLEOTIDE SEQUENCE OF THE HUMAN NMDARIA RECEPTOR

1 ccagecagae atteggaget gigecegaee ecgeticage acegeggaea gegeeggeeg egiggggeig agegeegaage eecegegeae geticageee ccettecete agecgaegte eeggggaeege egeteegggg gagaegtgge gteegeagee egeggggeeg ggegagegea ggaeggeeeg gaageeeege - START 101

GGACCTCATC TCCAGCCAGG TCTACGCCAT CCTAGTTAGC CATCCACCTA CCCCCAACGA CCACTTCACT CCCACCCTG TCTCCTACAC AGCCGGCTTC TACCECATAC COETECTEGE GCTGACCACC CECATGTCCA TCTACTCSGA CAAGAGCATC CACCTGAGCT TCCTGCGCCAC CSTGCCGCCC TACTCCCACC gggggatgeg cegagggece egegttegeg cegegeagag ceaggecege ggecegagee cATGAGCACC ATGCGCCTGC TGACGCTCGC CCTGCTGTTC TCCTGCTCCS TCGCCCGTGC CGCGTGCGAC CCCAAGATCS TCAACATTGS CGCGTGCTG AGCACGCGGA AGCACGAGCA GATGTTCCGC GAGGCGTGA ACCAGECCAA CAAGCECCAC GECTCCTGGA AGATTCAGET CAATGCCACC TCCGTCACEC ACAAGCCCAA CGCCATCCGG ATGGCTCTGT CGGTGTGCGA 201 301 501 601

AGTCCAGOST GTGGTTTGAG ATGATCCGTG TCTACAGCTG GAACCACATC ATCCTGCTGG TCAGCGACGA CCACGAGGGC CGGGCGGCTC AGAAACGCCT Pvu II 701

GGAGACGCTG CTGGAGGAGC GTGAGTCCAA GĠCAGAGAĠG GTGCTGCAGT TTGACCCAGG GACCAAGAAC GTGACGGCCC TGCTGATGGA GGCSAAAGAG -63 bp INSERT 8

CTGSAGGÓCC GGÓTCATCAT CCTTTCTGCC AGGSAGGACG ATGCTGCCAC TGTATACCGC GCAGCCGCGA TGCTGAACAT GACGGGCTCC GGGTACGTGT 99

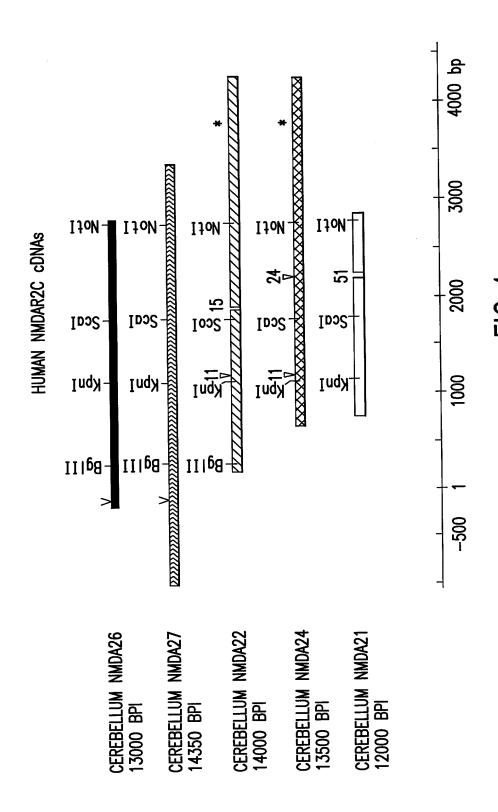
ATCTGGAAGA CCGGCCGCT CTTCAAGAGA GTGCTGATGT CTTCCAAGTA TGCGGATGGG GTGACTGGTC GCGTGGAGTT CAATGAGGAT GGGGACCGGA GECTEGICES CEAGCECEAS ÁTCTCEGEGA ACECCTECE CTACECCECA GACECCATCE TCGEGETECA ECTCATCAAC GECAAGAA<u>CE AGTCGECCCA</u> AGTICECCAA CIACAGCAIC AIGAACCIEC AGAACCECAA GCIGGIGCAA GIGGECAICI ACAAIGGCAC CCACGICAIC CCIAAIGACA GGAAGAICAI CATCAGOGAC GCOSTGGGCG TGGTGGCCCA GGCCGTGCAC GAGCTCCTCC AGAAGGAGAA CATCACCGAC CCGCCGGGGG GCTGCGTGGG CAACACCAAC -BqIII-1301

GGACCCCTTC AGCCCCTTCG GCCGGTTCAA GGTGAACAGC GAGGAGGAGG AGGAGGACGC ACTGACCCTG TCCTCGGCCCA TGTGGTTCTC CTGGGGCCTC GTGGCCCCC TAACCATAAA CAACGAGCGC GCGCAGTACA TCGAGTTTTC CAAGCCCTTC AAGTACCAGG GCCTGACTAT TCTGGTCAAG AAGGAGATTC COCCEACCAC GCTGGACTCG TTCATGCAGC CGTTCCAGAG CACACTGTGG CTGCTGGTGG GGCTGTCGGT GCACGTGGTG GCCGTGATGC TGTACCTGCT ACCCTGAGTG ATGGGACATG CAAGGAGGAG TTCACAGTCA ACGCCGACCC AGTCAAGAAG GTGATCTGCA CCGGGCCCAA CSACACGTCG CCGGGCAGCC CCCGCCACAC GSTGCCTCAG TGTTGCTACG GCTTTTGCAT CSACCTGCTC ATCAAGCTGG CACGGACCAT GAACTTCACC TACGAGGTGC ACCTGGTGGC AGATGGCAAG TTCGGCACAC AGGAGCGGGT GAACAACAGC AACAAGAAGG AGTGGAATGG GATGATGGGC GAGCTGCTCA GCGGGCAGGC AGACATGATC CTGGCCAGGC GGAGAGACAG AGAAGCCTCG AGGGTACCAG ATGTCCACCA GACTGAAGAT TGTGACGATC CACCAGGAGC CCTTCGTGTA CGTCAAGCCC r Kpn I_l 1601 1701 1801 1501

FIG.3A

ggaggegece acctgeceag ttagecegge caaggacaet gatgggteet getgeteggg aaggeetgag ggaageecae eegeeecaga gaetgeecae eetgggeete eegteegtee geeegeecae eeegetgeet ggegggeage eeetgetgga eeaaggtgeg gaeeggaageg getgaggaeg gggeaget ანდავეთი გინმინმნი ექგნნეთით დამიმმიმი დამის დამის და მიმის და მიმიმის და მიმმმიმის მმმმმიმიმ და მის გამის სამ gagicageta agcagageca cagagecete eggeagagge aggeeectag agtetetgag eagtagaggag eggaggetaa etgeeeceag geggaggge estecegeet geascacaga assignacte eccassagite eccasaciet sactessage tatettease ectaceetae acettassea egasagages ccaccegece gececegece tegeteceggg tgegtgaceg gecegecace ttgtacagaa ecageaetec cagggecega gegegtgeet teceegtgeg AGATECACET GECCTTICCE GOOGTTAACS TETGECEGGAA GAACÉTECAS GATAGAAAGA GTGGTAGAGC AGAGCCTGAC CCTAAAAAGA AAGCCACATT TAGGECTATE ACCTCCACCE TGGCTTCCAG CTTCAAGAGG CGTAGGTCCT CCAAAGACAC GAGCACCGGG GGTGGACGC GTGCTTTGCA AAACCAAAAA GACACAGTGC TGCOGCCGACG CSCTATTGAG AGGGAGGAGG GCCAGCTGCA GCTGTTTCC CGTCATAGGG AGAGGTGABG etecegace geatactet tgtctgtgta tttctatttt gcagcagtac catcccactg atatcacggg cccgctcaac ctctcagatc cctcggtcag caccgtggtg tgdggccccc ttggagcaga gacggcagce ceatectice egeagcacea gectgagcea eagiggggee eaiggeecea geiggeiggg iegeeetee iegggegeet gogetectet geagectgag etecacecte ecetettett geggeacege ceaceadaea eceegtetge ecettgaege caeaegeegg ggetggeget gootecece aeggeegtee etgaettece agetggeage geetecegee geetegggee geeteeteea gaategagag ggetgageee etecteteet IGACCACTGG ACAGCTGTTT TTCCSCTCGG GCTTCGGCAT AGGCATGCGC AAAGACAGCC CCTGGAAGCA GAACGTCTCC CTGTCCATCC TCAAGTCCCA CEAGAATGEC TICATEGAAG ACCTEGACAA GACGTEGETT CEGTATCAGE AATGTEACTC ECECAGCAAC ECCCTECGA CCCTTACTTT TEAGAACATG ctececeaga etgegeetge eegecegeeg gttageegge tageeggtee acceegtee ggeeeegege gtgeeeceag egtggggeta aegggegeet ECGECCIONAGE CCATCCAGISC COTGAGAGAC AACAAGCTGC ATGCCTTCAT CTGGGACTCG GCGGTGCTGG AGTTCGAGGC CTCGCAGAAG TGCGACCTGG SCCSSSCTCT TCATGCTGST AGCTGGGGGC ATCGTGGCCS GGATCTTCCT GATTTTCATC GAGATTGCCT ACAAGCGGCA CAAGGATGCT CGCCGGAAGC ACACCSCCAA CCTGGCGGGC TTCCTGGTGC TGGACCGGCC GGAGGAGCGC ATCACGGGCA TCAACGACCC TCGGCTGAGG AACCCCTCGG ACAAGTTTAT CTACSCCACE GTGAAGCAGA GCTCCCTGGA TATCTACTTC CGCCGCCAGG TGGAGCTGAG CACCATGTAC CGGCATATGG AGAAGCACAA CTACGAGAGT JIGCICAACT COSECATOSE GGAAGEOSCC COCAGÁAGCT TOTCAGOGCG CATOCTGGGC ATGGTGTGGG COSGCTTTGC CATGATCATC GTGGCCTCCI cageegeget etgeceetee gtececaggg tgeaggegeg eacegeecaa ececaaeete eeggtgtatg eagtggtgdt geetaaagga atgteaeg Pst J 3601 3701 3901 3001 3301 3401 3501 3801 2301 2401 2501 2601 2901 3101 3201

FIG.3E



CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

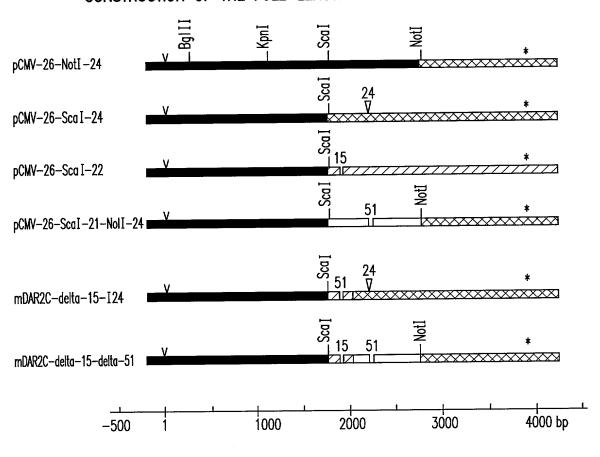


FIG.5

